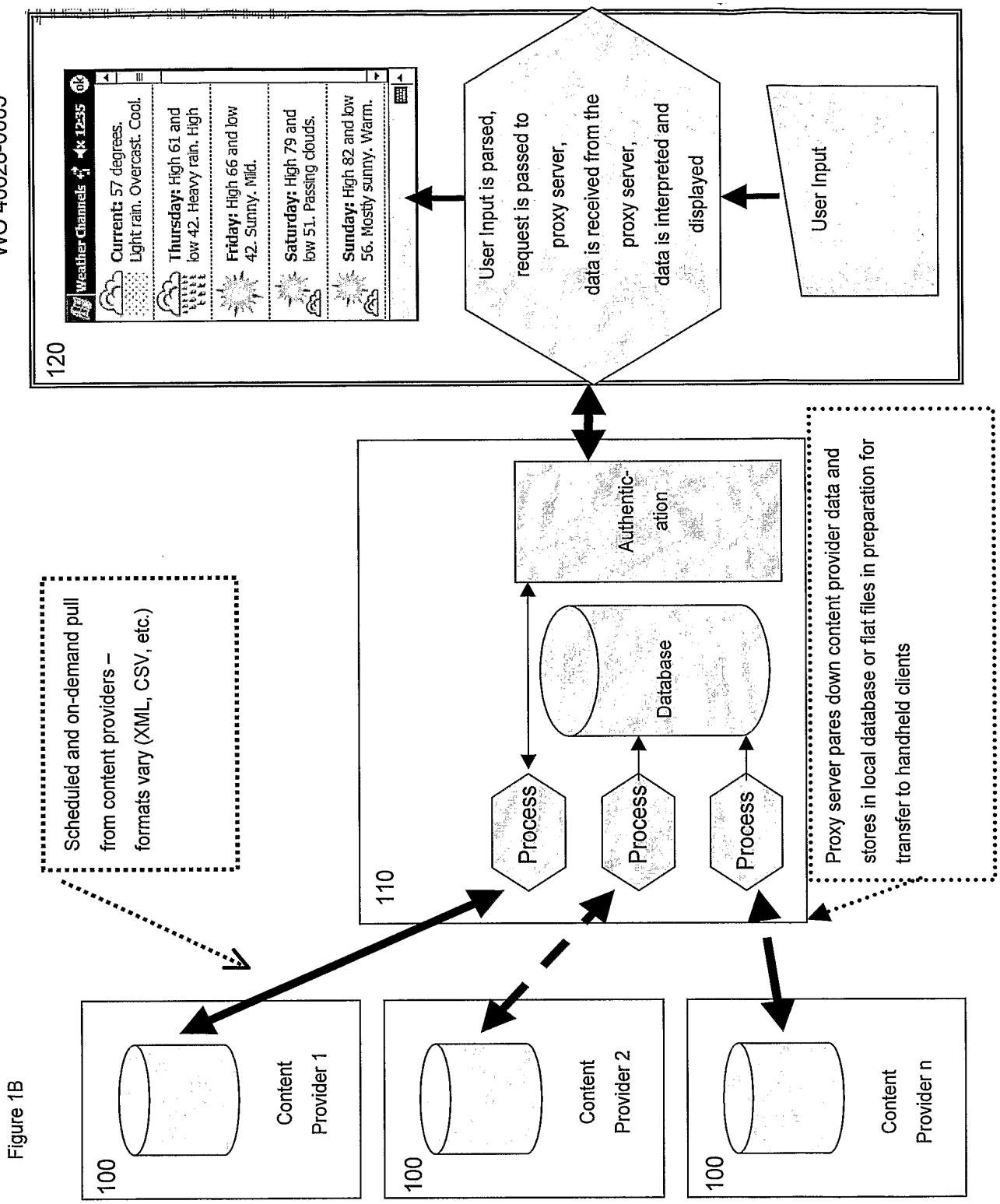

WO 40628-0005
120
Weather Channels
Current: 57 degrees. Light rain. Overcast. Cool.
Thursday: High 61 and low 42. Heavy rain. High
Friday: High 66 and low 42. Sunny. Mild.
Saturday: High 79 and low 51. Passing clouds.
Sunday: High 82 and low 56. Mostly sunny. Warm.
User Input is parsed, request is passed to proxy server, data is received from the proxy server, data is interpreted and displayed
User Input
110
Authentic-ation
Database
Process
Process
Process
Proxy server pares down content provider data and stores in local database or flat files in preparation for transfer to handheld clients
Scheduled and on-demand pull from content providers – formats vary (XML, CSV, etc.)
100
Content Provider 1
100
Content Provider 2
100
Content Provider n

Figure 1B

Figure 1A

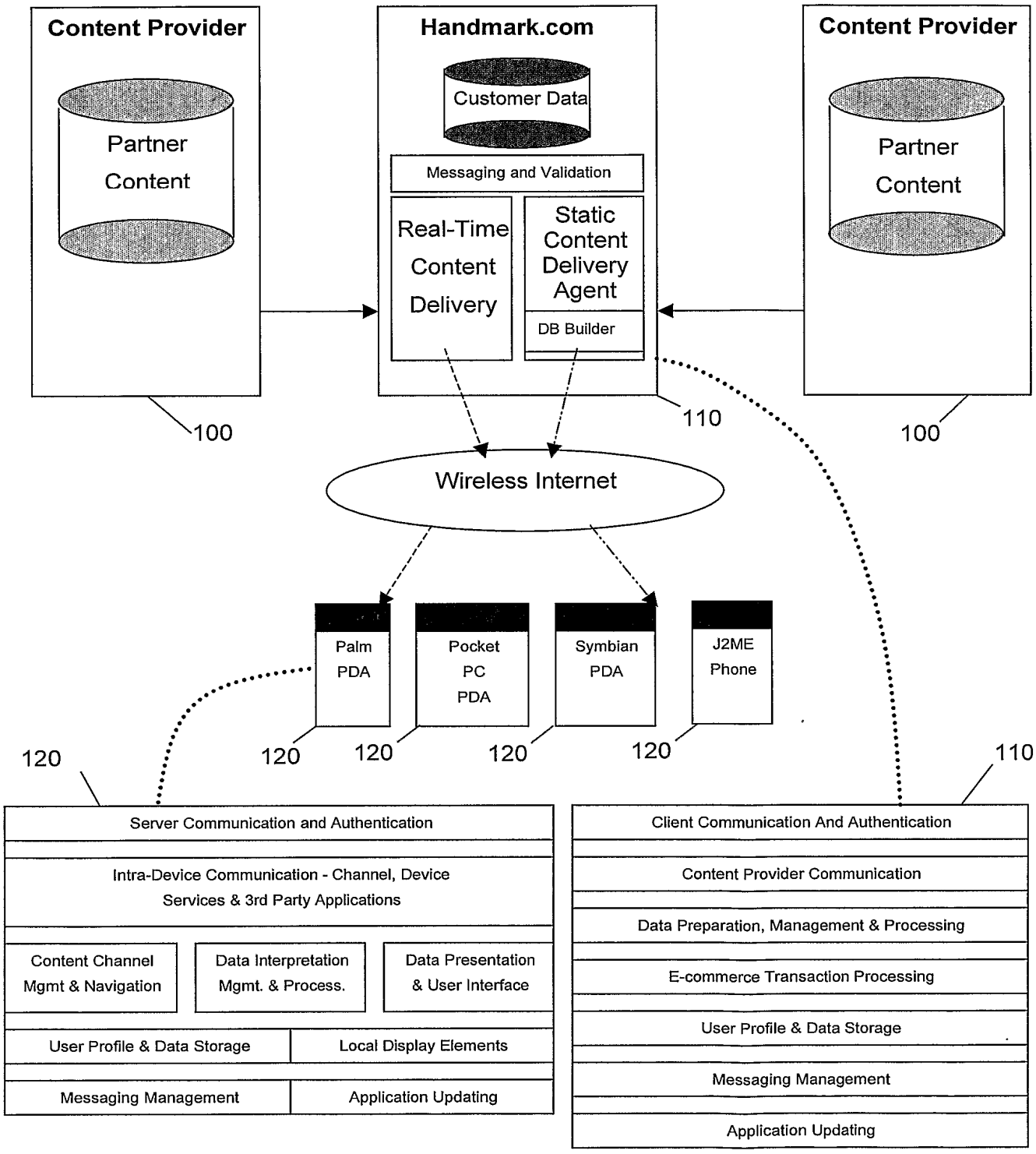

Content Provider
Partner Content
Handmark.com
Customer Data
Messaging and Validation
Real-Time Content Delivery
Static Content Delivery Agent
DB Builder
Content Provider
Partner Content
100
110
100
Wireless Internet
Palm PDA
Pocket PC PDA
Symbian PDA
J2ME Phone
120
120
120
120
120
110
Server Communication and Authentication
Intra-Device Communication - Channel, Device Services & 3rd Party Applications
Content Channel Mgmt & Navigation
Data Interpretation Mgmt. & Process.
Data Presentation & User Interface
User Profile & Data Storage
Local Display Elements
Messaging Management
Application Updating
Client Communication And Authentication
Content Provider Communication
Data Preparation, Management & Processing
E-commerce Transaction Processing
User Profile & Data Storage
Messaging Management
Application Updating

Figure 2

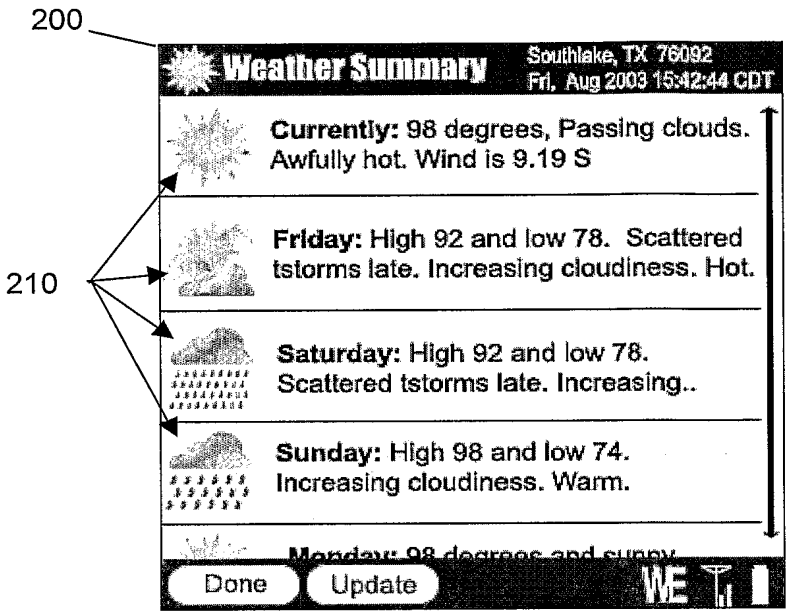

200
210
Weather Summary
Southlake, TX 76092
Fri, Aug 2003 15:42:44 CDT
Currently: 98 degrees, Passing clouds. Awfully hot. Wind is 9.19 S
Friday: High 92 and low 78. Scattered tstorms late. Increasing cloudiness. Hot.
Saturday: High 92 and low 78. Scattered tstorms late. Increasing..
Sunday: High 98 and low 74. Increasing cloudiness. Warm.
Done
Update

Figure 3

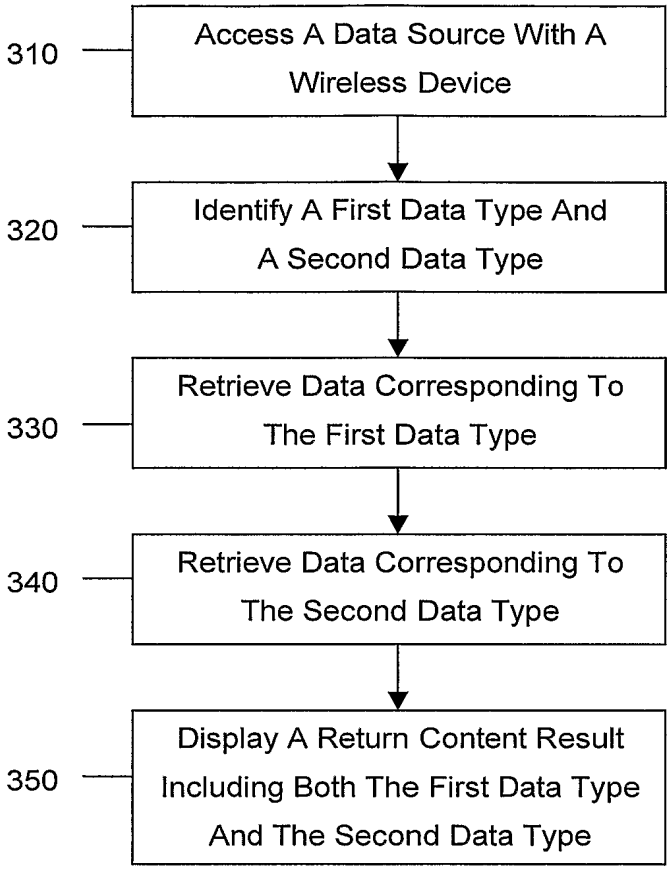

310
Access A Data Source With A Wireless Device
320
Identify A First Data Type And A Second Data Type
330
Retrieve Data Corresponding To The First Data Type
340
Retrieve Data Corresponding To The Second Data Type
350
Display A Return Content Result Including Both The First Data Type And The Second Data Type

Figure 4

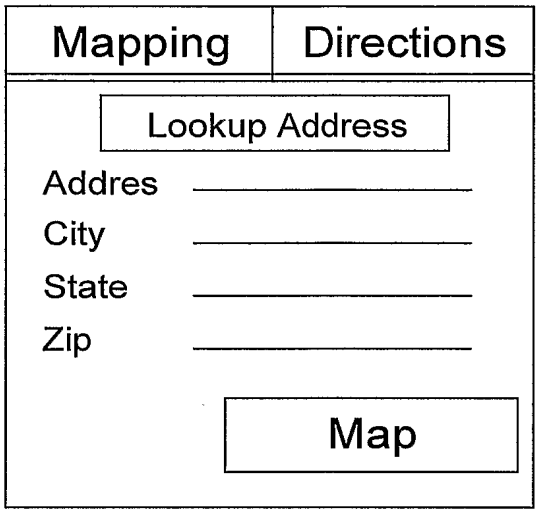


Figure 4A

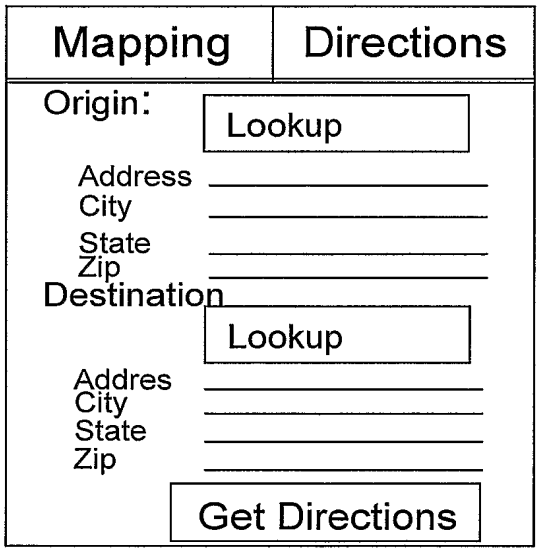


Figure 4B

Figure 4 (Continued)

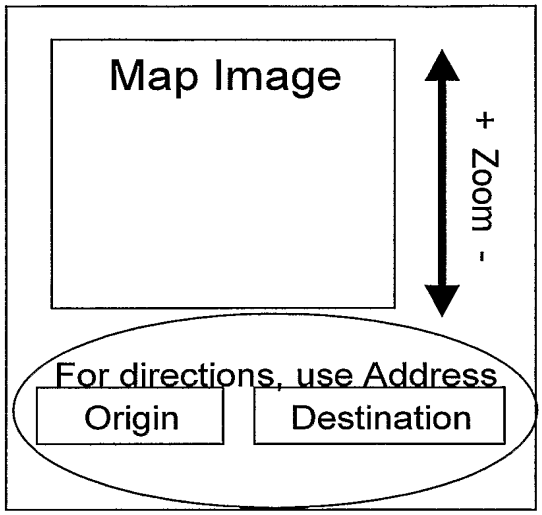


Figure 4C

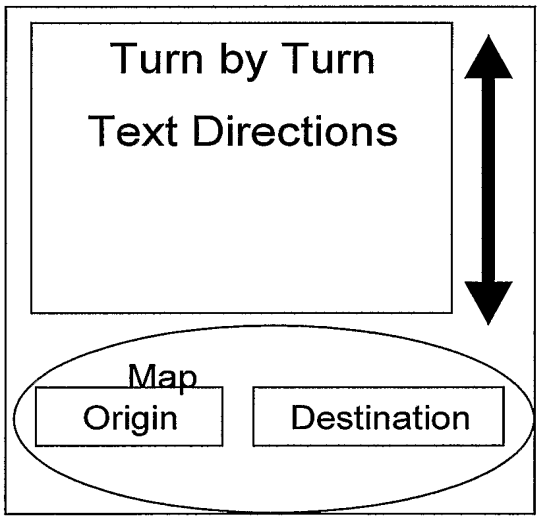


Figure 4D

Figure 4 (Continued)

Figure 4E

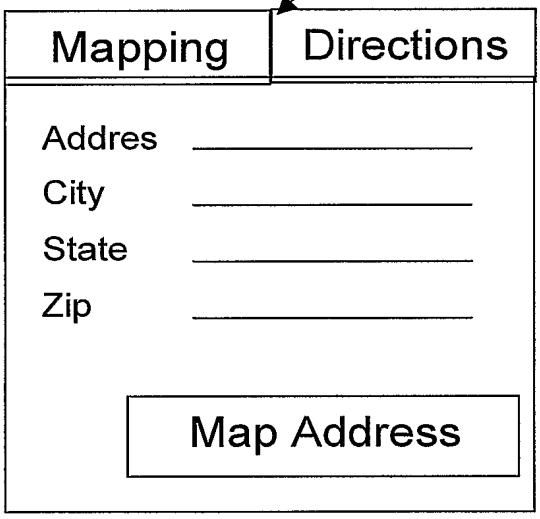


Figure 4F

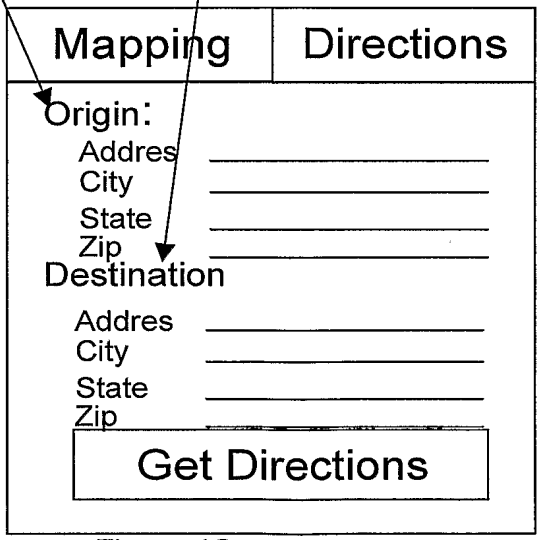


Figure 4G

Figure 4 (Continued)

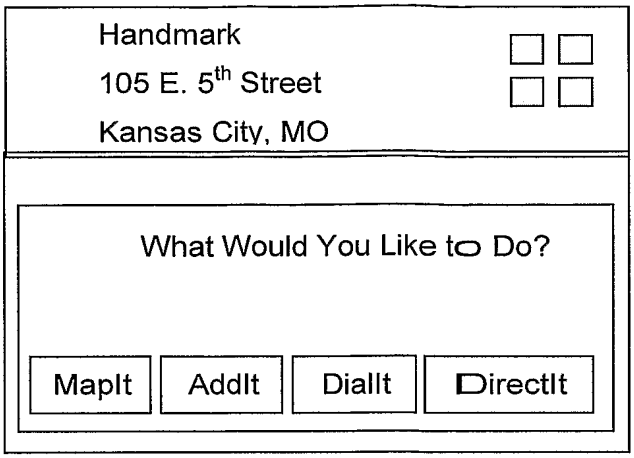


Figure 4H

Figure 5

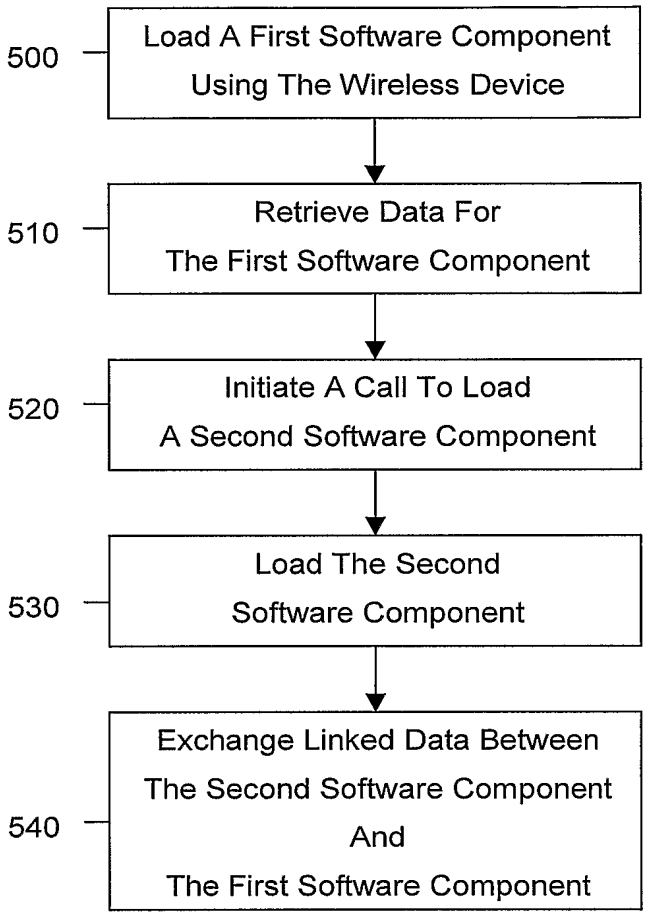

500
Load A First Software Component Using The Wireless Device
510
Retrieve Data For The First Software Component
520
Initiate A Call To Load A Second Software Component
530
Load The Second Software Component
540
Exchange Linked Data Between The Second Software Component And The First Software Component

Figure 6

Figure 6A

Figure 6B

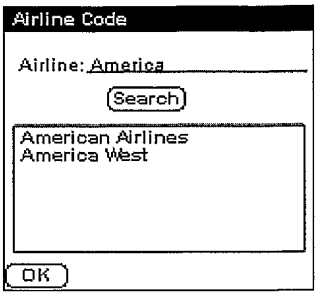


Figure 6C

Figure 6D

Figure 6E

Figure 6F

Figure 6G

Figure 7

Figure 7A

Figure 7B

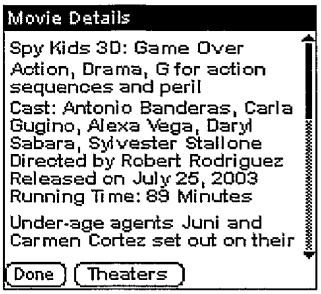


Figure 7C

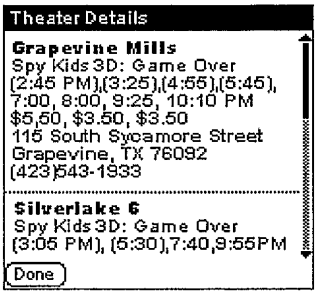


Figure 7D

Figure 7E

Figure 7F

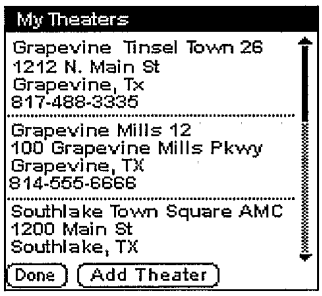


Figure 7G

Figure 8

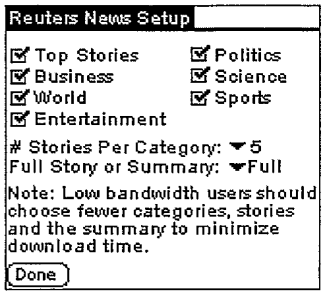


Figure 8A

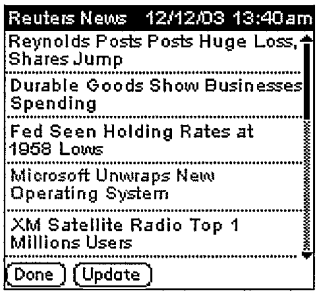


Figure 8B

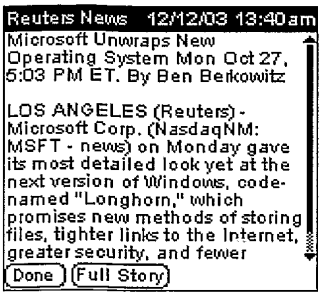


Figure 8C

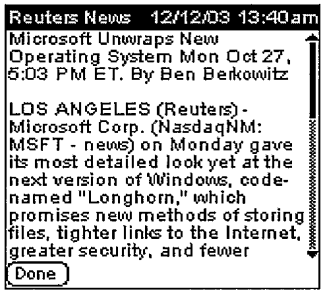


Figure 8D

Figure 9

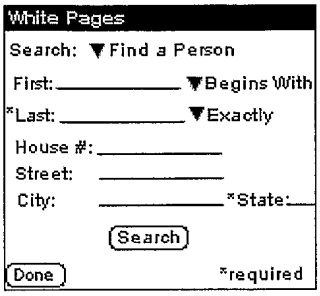


Figure 9A

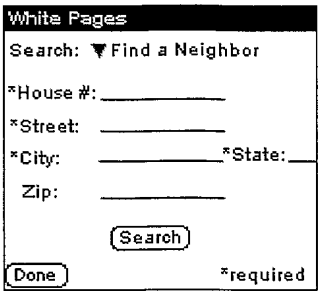


Figure 9B

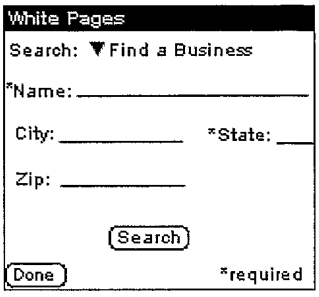


Figure 9C

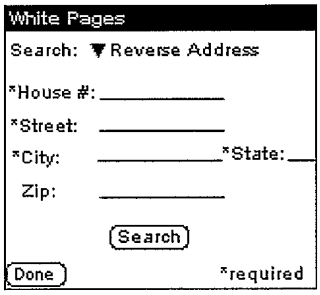


Figure 9D

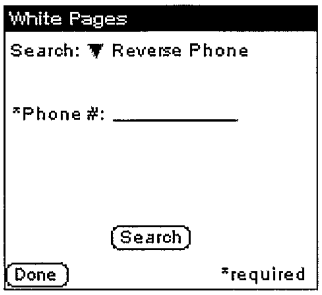


Figure 9E

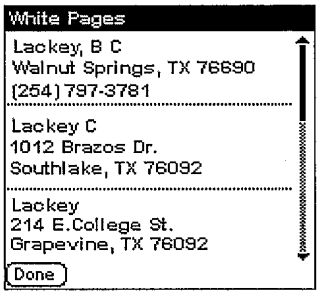
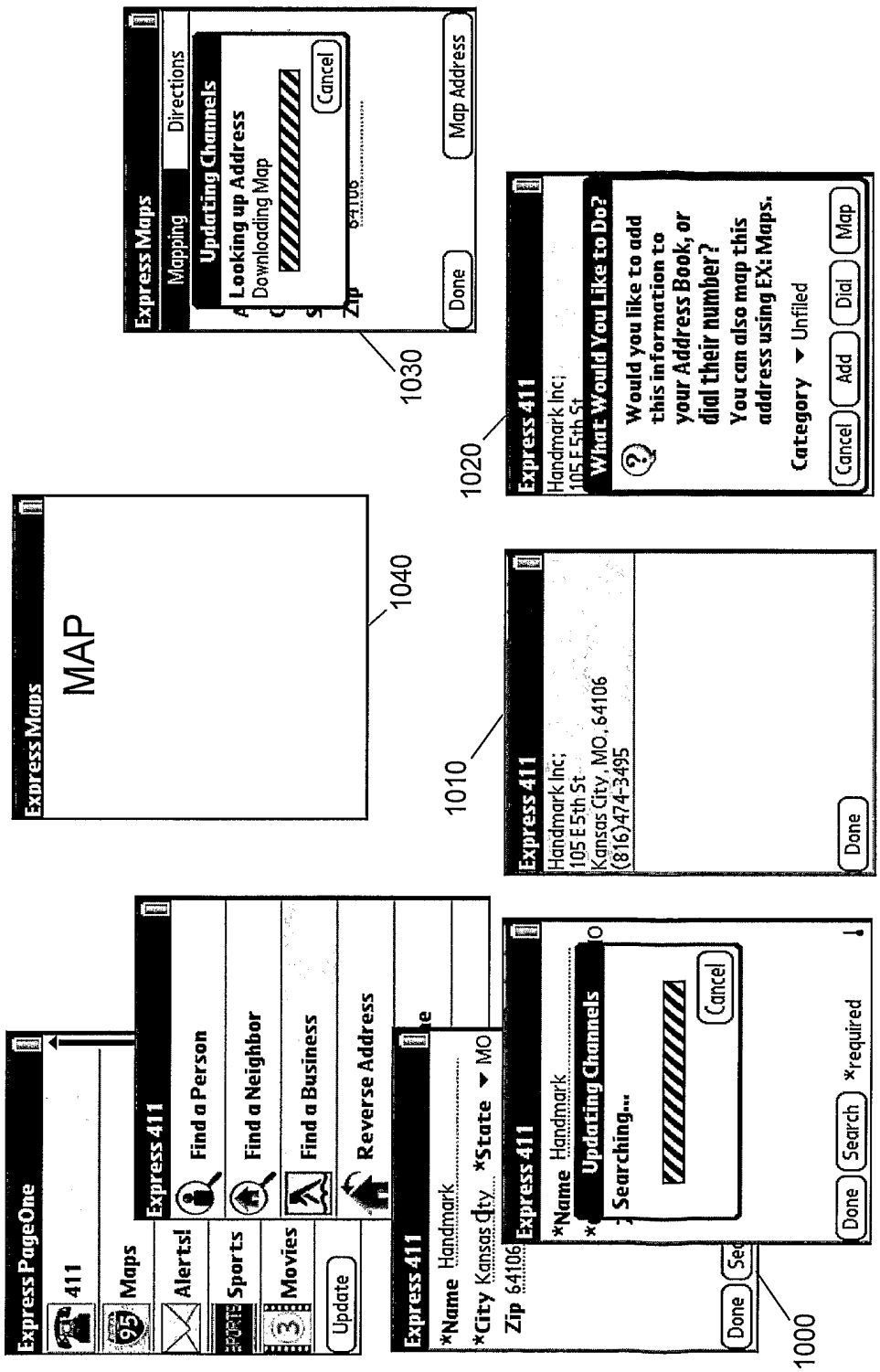


Figure 9F

Figure 10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